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RAW SEQUENCE LISTING

Lochrizer

PATENT APPLICATION: US/09/601,168A

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1 <110> APPLICANT: BENAROUS, Richard MARGOTTIN, Florence DURAND, Herve 3 ARENZANA SEISDEDOS, Fernando KROLL, Mathias CONDORCET, Jean-Paul 7 <120> TITLE OF INVENTION: Human beta-TrCP protein 8 <130> FILE REFERENCE: 935.38812X00 9 <140> CURRENT APPLICATION NUMBER: US/09/601,168A 10 <141> CURRENT FILING DATE: 2000-07-28 11 <150> PRIOR APPLICATION NUMBER: PCT/FR99/00196 **ENTERED** 12 <151> PRIOR FILING DATE: 1999-01-29 13 <150> PRIOR APPLICATION NUMBER: FR98 01100 14 <151> PRIOR FILING DATE: 1998-01-30 15 <150> PRIOR APPLICATION NUMBER: FR98 15545 16 <151> PRIOR FILING DATE: 1998-12-09 17 <160> NUMBER OF SEQ ID NOS: 8 18 <170> SOFTWARE: PatentIn Ver. 2.1 20 <210> SEO ID NO: 1 21 <211> LENGTH: 2151 22 <212> TYPE: DNA 23 <213> ORGANISM: Artificial sequence 24 <220> FEATURE: 25 <221> NAME/KEY: CDS 26 <222> LOCATION: (70)..(1776) 27 <223> OTHER INFORMATION: Description of the artificial sequence : cDNA coding for human beta-TrCP protein 29 <400> SEQUENCE: 1 tgcgttggct gcggcctggc accaaagggg cggccccggc ggagagcgga cccagtggcc 60 30 teggegatt atg gae eeg gee gag geg gtg etg eaa gag aag gea etc aag 111 31 Met Asp Pro Ala Glu Ala Val Leu Gln Glu Lys Ala Leu Lys 32 33 1 ttt atg aat tcc tca gag aga gaa gac tgt aat aat ggc gaa ccc cct 159 34 Phe Met Asn Ser Ser Glu Arg Glu Asp Cys Asn Asn Gly Glu Pro Pro 35 25 36 agg aag ata ata cca gag aag aat tca ctt aga cag aca tac aac agc 207 37 Arg Lys Ile Ile Pro Glu Lys Asn Ser Leu Arg Gln Thr Tyr Asn Ser 38 39 40 tgt gcc aga ctc tgc tta aac caa gaa aca gta tgt tta gca agc act 255 40 Cys Ala Arg Leu Cys Leu Asn Gln Glu Thr Val Cys Leu Ala Ser Thr 41 42 50 55 gct atg aag act gag aat tgt gtg gcc aaa aca aaa ctt gcc aat ggc 303 43

Ala Met Lys Thr Glu Asn Cys Val Ala Lys Thr Lys Leu Ala Asn Gly

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Ala Glu																		505		
72 210 215 220 73 gac ggg aat gct cct ccc aac tct ttt tat aga gca ctt tat cct aaa 783 74 Asp Gly Asn Ala Pro Pro Asn Ser Phe Tyr Arg Ala Leu Tyr Pro Lys 225 230 75 225 230 235 76 att ata caa gac att gag aca ata gaa tct aat tgg aga tgt gag aga 831 77 Ile Ile Gln Asp Ile Glu Thr Ile Glu Ser Asn Trp Arg Cys Gly Arg 240 245 79 cat agt tta cag aga att cac tgc cga agt gaa aca agc aac agc aaa ggg gtt 879 80 His Ser Leu Gln Arg Ile His Cys Arg Ser Glu Thr Ser Lys Gly Val 270 81 255 260 265 270 82 tac tgt tta cag tat gat gat cag aaa ata gaa ag ggc ctt cga gac 927 83 Tyr Cys Leu Gln Tyr Asp Asp Gln Lys Ile Val Ser Gly Leu Arg Asp 280 285 84 275 280 285 85 aac aca atc aag atc tgg gat aaa aac aca ttg gaa tgc agg cga att 975 86 Asn Thr Ile Lys Ile Trp Asp Lys Asn Thr Leu Glu Cys Lys Arg Ile 975 86 Asn Thr Gly His Thr Gly Ser Val Leu Cys Leu Gln Tyr Asp Glu Arg 1023 89 Leu Thr Gly His Thr Gly Ser Val Leu Cys Leu Gln Tyr																				
73 gac ggg aat gct gct cct ccc aac tct ttt tat aga gca ctt tat cct aaa 783 74 Asp Gly Asn Ala Pro Pro Asn Ser Phe Tyr Arg Ala Leu Tyr Pro Lys 225 230 230 235 235 235 831 76 att ata caa gac att gag aca at gaa at gaa tct aat gaa gag atgt ggg aga aga aga ggg aga ag		Ala	Glu	Arg		GTA	Trp	GLŸ	GIn		Leu	Pne	гаг	Asn		Pro	Pro			
74 Asp Gly Asn Ala Pro Pro Asn Ser Phe Tyr Arg Ala Leu Tyr Pro Lys 75 225 230 235 76 att ata caa gac att gag aca ata gaa tct aat tgg aga tgt gga aga 831 77 Ile Ile Gln Asp Ile Glu Thr Ile Glu Ser Asn Trp Arg Cys Gly Arg 245 250 79 cat agt tta cag aga att cac tgc cga agt gaa aca aga aaa gga ggt 879 80 His Ser Leu Gln Arg Ile His Cys Arg Ser Glu Thr Ser Lys Gly Val 240 260 265 270 81 255 260 265 270 270 270 270 82 tac tgt tta cag tat gat gat cag aaa ata gta agc ggc ctt cga gac 927 270 280 285 270 287 84 275 280 280 285 285 285 285 85 aac aca atc aag atc tgg gat aaa aac aca ttg gaa tgc aag cga att gag aga aga 975 86 Asn Thr Ile Lys Ile Trp Asp Lys Asn Thr Leu Glu Cys Lys Arg Ile gag aga aga leu cag aga cga att gag aga aga aga aga aga aga aga a		~~~	~~~	22+		aat	000	220	+ a+		+ = +	242	~~~	c++		aat	222	783		
75																		703		
76 att ata caa gac att gag aca ata gaa tct aat tgg aga tgt gga aga 831 77 Ile Ile Gln Asp Ile Glu Thr Ile Glu Ser Asn Trp Arg Cys Gly Arg 78 240 245 79 cat agt tta cag aga att cac tgc cga agt gaa aca agc aaa gga gtt 879 80 His Ser Leu Gln Arg Ile His Cys Arg Ser Glu Thr Ser Lys Gly Val 270 81 255 260 265 270 82 tac tgt tta cag tat gat gat cag aaa ata gta agc ggc ctt cga gac 927 83 Tyr Cys Leu Gln Tyr Asp Asp Gln Lys Ile Val Ser Gly Leu Arg Asp 285 84 275 280 285 85 aac aca atc aag atc tgg gat aaa aac aca ttg gaa tgc aag cga att 975 86 Asn Thr Ile Lys Ile Trp Asp Lys Asn Thr Leu Glu Cys Lys Arg Ile 975 87 290 295 300 88 ctc aca ggc cat aca ggt tca gtc ctc tgt ctc cag tat gat gag aga 1023 89 Leu Thr Gly His Thr Gly Ser Val Leu Cys Leu Gln Tyr Asp Glu Arg 305 91 gtg atc ata aca gga tca tcg gat tcc acg gtc acg ggt aga gtg tgg gat gta 1071 92 Val Ile Ile Thr Gly Ser Ser Asp Ser Thr Val Arg Val Trp Asp Val		ASP	GTÄ		ніа	PIU	PIU	ASII		FIIC	тут	ALY	Ата		тут	FIO	БУЗ			
The The Ghr Asp The Ghr Thr The Ghr Ser Asn Trp Arg Cys Ghr Arg 240 245 245 250		att	ata		gac	att	σασ	aca		αаа	tet	aat.	t.aa		t.at.	σσα	aσa	831		
78 240 245 250 79 cat agt tta cag aga att cac tgc cga agt gaa aca agc aaa gga gtt 879 80 His Ser Leu Gln Arg Ile His Cys Arg Ser Glu Thr Ser Lys Gly Val 260 265 270 81 255 260 265 270 270 82 tac tgt tta cag tat gat gat cag aaa atc ag gat cag aaa atc tgg gat aaa atc ag gat cag aga 257 270 927 83 Tyr Cys Leu Gln Tyr Asp Asp Asp Gln Lys Ile Val Ser Gly Leu Arg Asp 275 280 285 85 84 275 280 285 85 86 Asn Thr Ile Lys Ile Trp Asp Lys Asn Thr Leu Glu Cys Lys Arg Ile 300 975 86 Asn Thr Ile Lys Ile Trp Asp 295 295 300 975 88 ctc aca ggc cat aca ggt tca ggt tca gtc ctc tgt ctc cag tat gat gag aga 1023 89 Leu Thr Gly His Thr Gly Ser Val Leu Cys Leu Gln Tyr Asp Glu Arg 315 91 gtg atc ata aca gga tca tcg ggt tca tcg gat tcc acg gtc aga gtg tgg gat gta 1071 92 Val Ile Ile Thr Gly Ser Ser Asp Ser Thr Val Arg Val Trp Asp Val																				
79 cat agt tta cag aga att cac tgc cga agt gaa aca agc aaa gga gtt 879 80 His Ser Leu Gln Arg Ile His Cys Arg Ser Glu Thr Ser Lys Gly Val 255 270 81 255 260 265 270 82 tac tgt tta cag tat gat gat cag aaa ata gta agc ggc ctt cga gac 270 83 Tyr Cys Leu Gln Tyr Asp Asp Asp Gln Lys Ile Val Ser Gly Leu Arg Asp 285 285 84 275 280 285 85 aac aca atc aag atc tgg gat aaa aac aca ttg gaa tgc aag cga att 487 295 86 Asn Thr Ile Lys Ile Trp Asp Lys Asn Thr Leu Glu Cys Lys Arg Ile 295 300 88 ctc aca ggc cat aca ggt tca ggt ctc tgt ctc cag tat gat gag aga 1023 89 Leu Thr Gly His Thr Gly Ser Val Leu Cys Leu Gln Tyr Asp Glu Arg 315 91 gtg atc ata aca gga tca taca cgga tca tcg gat tcc acg gtc aga gtg tgg gat gta 1071 92 Val Ile Ile Thr Gly Ser Ser Asp Ser Thr Val Arg Val Trp Asp Val															-	•	,			
80		cat		tta	caq	aqa				cga	agt	gaa	aça	agc	aaa	gga	gtt	879		
81																				
83	81																			
84 275 280 285 85 85 85 85 85 85 85 85 85 85 85 85 8	82																	927		
aac aca atc aag atc tgg gat aaa aac aca ttg gaa tgc aag cga att 85 Asn Thr Ile Lys Ile Trp Asp Lys Asn Thr Leu Glu Cys Lys Arg Ile 87 290 295 300 88 ctc aca ggc cat aca ggt tca gtc ctc tgt ctc cag tat gat gag aga Leu Thr Gly His Thr Gly Ser Val Leu Cys Leu Gln Tyr Asp Glu Arg 90 305 310 315 91 gtg atc ata aca gga tca tcg gat tcc acg gtc aga gtg tgg gat gta Val Ile Ile Thr Gly Ser Ser Asp Ser Thr Val Arg Val Trp Asp Val	83	Tyr	Cys	Leu	Gln	Tyr	Asp	Asp	Gln	Lys	Ile	Val	Ser	Gly	Leu	Arg	Asp			
86																				
290 295 300 88 ctc aca ggc cat aca ggt tca gtc ctc tgt ctc cag tat gat gag aga 1023 89 Leu Thr Gly His Thr Gly Ser Val Leu Cys Leu Gln Tyr Asp Glu Arg 90 305 310 315 91 gtg atc ata aca gga tca tcg gat tcc acg gtc aga gtg tgg gat gta 1071 92 Val Ile Ile Thr Gly Ser Ser Asp Ser Thr Val Arg Val Trp Asp Val																		975		
ctc aca ggc cat aca ggt tca gtc ctc tgt ctc cag tat gat gag aga Leu Thr Gly His Thr Gly Ser Val Leu Cys Leu Gln Tyr Asp Glu Arg 305 310 315 gtg atc ata aca gga tca tcg gat tcc acg gtc aga gtg tgg gat gta Val Ile Ile Thr Gly Ser Ser Asp Ser Thr Val Arg Val Trp Asp Val		Asn	Thr	Ile	-	Ile	Trp	Asp	Lys		Thr	Leu	Glu	Cys	_	Arg	Ile			
Leu Thr Gly His Thr Gly Ser Val Leu Cys Leu Gln Tyr Asp Glu Arg 305 310 315 gtg atc ata aca gga tca tcg gat tcc acg gtc aga gtg tgg gat gta 1071 Val Ile Ile Thr Gly Ser Ser Asp Ser Thr Val Arg Val Trp Asp Val											.			44				100	,	
90 305 310 315 91 gtg atc ata aca gga tca tcg gat tcc acg gtc aga gtg tgg gat gta 1071 92 Val Ile Ile Thr Gly Ser Ser Asp Ser Thr Val Arg Val Trp Asp Val																		1023	>	
gtg atc ata aca gga tca tcg gat tcc acg gtc aga gtg tgg gat gta 1071 Val Ile Ile Thr Gly Ser Ser Asp Ser Thr Val Arg Val Trp Asp Val		Leu	Thr	_	HlS	rnr	стХ	ser		ьeu	cys	ьeu	GTU		ASP	GIU	wr.d			
92 Val Ile Ile Thr Gly Ser Ser Asp Ser Thr Val Arg Val Trp Asp Val		~+ <i>~</i>	a+-		200	~~~	+ ~ ~	+00		+00	200	at a	acre		+ ~ ~	m=+	a+=	1071	1	
																		10/1	•	
		YUI		-16	-114	O-1	JUL			501										

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/601,168A

DATE: 06/27/2002 TIME: 13:57:15

Input Set : N:\paola\US09601168A.RAW
Output Set: N:\CRF3\06272002\I601168A.raw

94 95	Asn			gaa Glu		Leu					His					Val	1119
96	335					340					345					350	
97				cgt													1167
98	Leu	HlS	Leu	Arg		Asn	Asn	GLY	Met		Val	Thr	Cys	Ser	_	Asp	
99					355					360					365		
100																ctc	1215
101	Arg	J Sei	: Ile			Trp	Asp) Met			Pro	Thi	Asp			Leu	
102				370					375					380			
103				_	_			_	-	-	_		_	_	_	ttt	1263
104	Arg	, Arg			Val	Gly	His	_		ı Ala	. Val	Asr			. Asp	Phe	
105			385					390					395				
106	_	_	_			_		-			-	_			_	gta	1311
107	Asp	_	_	3 Tyr	Ile	Val			Ser	Gly	Asp	_		· Ile	Lys	: Val	
108		400					405					410					
109				_		_	_		_							aaa	1359
110	_		Thr	Ser	Thr	-		Phe	val	. Arg		Leu	Asn	Gly	His	Lys	
111	415					420					425					430	
112	_			_	_	_	-			_		_	_		_	ggc	1407
113	Arg	Gly	Ile	e Ala	Cys	Leu	Gln	Туг	Arg	Asp	Arg	Leu	Val	Val		Gly	
114					435					440					445		
115																tgt	1455
116	Ser	Ser	Asp	Asn	Thr	Ile	Arg	Leu	Trp	Asp	Ile	Glu	Cys	Gly	Ala	Cys	
117				450					455					460			
118																ttt	1503
119	Leu	ı Arg	Val	. Leu	Glu	Gly	His	Glu	Glu	ı Leu	Val	Arg	Cys	Ile	Arg	Phe	
120			465					470					475				
121				, agg													1551
122	Asp		_	Arg	Ile	Val		_	Ala	Tyr	Asp	_	_	Ile	Lys	Val	
123		480					485					490					
124				gtg													1599
125	_	_	Leu	val	Ala		Leu	Asp	Pro	Arg		Pro	Ala	Gly	Thr		
126	495					500					505					510	
127																cag	1647
128	Cys	Leu	Arg	Thr		Val	Glu	His	Ser	_	_	Val	Phe	Arg			
129					515					520					525		
130				ttc													1695
131	Phe	Asp	Glu	Phe	Gln	Ile	Val	Ser			His	Asp	Asp			Leu	
132				530					535					540			
133				ttc													1743
134	Ile	Trp	_		Leu	Asn	Asp			Ala	Gln	Ala			Pro	Arg	
135			545					550					555				
136													ataa	cca	taca	ctgacc	1796
137	Ser			Arg	Thr	Tyr			Ile	Ser	Arg						
138		560					565										
139			-	_	-							_	-			caggat	
140																agcagg	
141																actcag	
142	cac	aact	gac	tgct	tcag	tg c	tgct	atca	g aa	gatg	tctt	cta	tcaa	ttg	tgaa	tgattg	2036

DATE: 06/27/2002

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/601,168A TIME: 13:57:15

Input Set : N:\paola\US09601168A.RAW
Output Set: N:\CRF3\06272002\I601168A.raw

143 144	gaac gttc										_		_			ccattg	2096 2151
146 <210	> SEQ	ID N	10: 2	2													
147 <211	> LENG	LENGTH: 569															
148 <212	> TYPE	: PF	TS														
149 <213	> ORGA	ORGANISM: Artificial sequence															
150 <220	> FEAT	•															
151 <223	> OTHE	OTHER INFORMATION: Description of the artificial sequence : cDNA															
152	codi	ng f	or l	humai	n bet	ta-T	rCP p	prote	ein								
153 <400	> SEQU	ENCE	E: 2														
154	Met	Asp	${\tt Pro}$	Ala	Glu	Ala	Val	Leu	Gln	Glu	Lys	Ala	Leu	Lys	Phe	Met	
155	1				5					10					15		
156	Asn	Ser	Ser	Glu	Arg	Glu	Asp	Cys	Asn	Asn	Gly	Glu	Pro	Pro	Arg	Lýs	
157				20					25					30			
158	Ile	Ile	${\tt Pro}$	Glu	Lys	Asn	ser	Leu	Arg	Gln	Thr	Tyr	Asn	Ser	Cys	Ala	
159			35					40					45				
160	Arg	Leu	Cys	Leu	Asn	Gln	Glu	Thr	Val	Cys	Leu	Ala	Ser	Thr	Ala	Met	
161		50					55					60					
162	Lys	Thr	Glu	Asn	Cys	Val	Ala	Lys	Thr	Lys	Leu	Ala	Asn	Gly	Thr	Ser	
163	65					70					75					80	
164	Ser	Met	Ile	Val	Pro	Lys	Gln	Arg	Lys	Leu	Ser	Ala	Ser	Tyr	Glu	Lys	
165					85					90					95		
166	Glu	Lys	Glu	Leu	Cys	Val	Lys	Tyr	Phe	Glu	Gln	\mathtt{Trp}	Ser	Glu	Ser	Asp	
167				100					105					110			
168	Gln	Val		Phe	Val	Glu	His		Ile	Ser	Gln	Met		His	\mathtt{Tyr}	Gln	
169			115					120					125				
170	His	-	His	Ile	Asn	Ser	_	Leu	Lys	Pro	Met		Gln	Arg	Asp	Phe	
171		130		_	_		135		_	_		140					
172	Ile	Thr	Ala	Leu	Pro		Arg	GLŸ	Leu	Asp		lle	Ala	GLu	Asn		
173	145	_	_	_	_	150	_	.		~	155		a 1		1	160	
174	Leu	ser	туг	Leu		Ата	ьуs	ser	Leu		Ата	Ата	GIU	ьeu		Cys	
175	T	a 1	m	m	165	17- 3	m 1		3	170	W-+	T	III	T	175	T 0	
176	Lys	GIU	ттр	_	Arg	vaı	THE	ser		GIĀ	мес	Leu	ттр		ьys	Leu	
177	T1 -	a1	N	180	37 n 1	A	mbs	7 ~~	185	T 011	m	7 ~~	c1	190	21-	C1.,	
178	Ile	GIU	_	мес	val	Arg	THE	_	ser	Leu	тър	Arg	205	ьеи	Ата	GIU	
179	7 ~~	7 ma	195	m xx	C1	Cln	Фиг	200	Dho	T 17.0	λαη	Tura		Dro	7 02	civ	
180	Arg	210	СТУ	пр	GIY	GIII	215	ьец	Pile	гуз	ASII	дуS 220	PIO	PIU	ASP	GIY	
181 182	Asn		Dro	Dro	7 an	Cor		Пттх	λ ~ ~	λ l a	Tou		Dro	Tvc	т1.	т10	
183	225				ASII			_	_			_		_			
184	Gln																
185	GIII	кър	116	GIU	245	116	GIU	Ser	กรแ	250	AIG	Cys	дту	AIG	255	261	
186	Leu	Gln	Δτα	Tla		Cve	Δτα	Ser	Glu		Ser	T.v.c	G1 v	Va 1		Cve	
187	LCu	V 111	-119	260	1113	C13	**** 9	DCI	265	T 11T	DCI	-13	0 ± 3	270	-1-	$\cup_I S$	
188	Leu	Gln	Tvr		Agn	Gln	Lvc	Tle		Ser	Glv	Len	Arσ		Asn	Thr	
189	LCu	- 11 i	275	1105	-10 P	J111	2,3	280	, 41	501	J-1		285	-105	-1011		
190	Ile	Lvs		Tro	Asp	Lvs	Asn		Leu	Glu	Cvs	Lvs		IJe	Leu	Thr	
191		290				-,5	295		u		0,0	300	9				
192	Gly		Thr	G] v	Ser	Va l		Cvs	Leu	G] n	Tvr		Glu	Ara	Val	Ile	
-	1			1				-1-			- 1 -			3			

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/601,168A

DATE: 06/27/2002 TIME: 13:57:16

Input Set : N:\paola\US09601168A.RAW
Output Set: N:\CRF3\06272002\1601168A.raw

193	305 310 315 320										
194	Ile Thr Gly Ser Ser Asp Ser Thr Val Arg Val Trp Asp Val Asn Thr										
195	325 330 335										
196	Gly Glu Met Leu Asn Thr Leu Ile His His Cys Glu Ala Val Leu His										
197	340 345 350										
198	Leu Arg Phe Asn Asn Gly Met Met Val Thr Cys Ser Lys Asp Arg Ser										
199	355 360 365										
200	Ile Ala Val Trp Asp Met Ala Ser Pro Thr Asp Ile Thr Leu Arg Arg										
201	370 375 380										
202	Val Leu Val Gly His Arg Ala Ala Val Asn Val Val Asp Phe Asp Asp										
203	385 390 395 400										
204	Lys Tyr Ile Val Ser Ala Ser Gly Asp Arg Thr Ile Lys Val Trp Asn										
205	405 410 415										
206	Thr Ser Thr Cys Glu Phe Val Arg Thr Leu Asn Gly His Lys Arg Gly										
207	420 425 430										
208	Ile Ala Cys Leu Gln Tyr Arg Asp Arg Leu Val Val Ser Gly Ser Ser										
	435 440 445										
209	Asp Asn Thr Ile Arg Leu Trp Asp Ile Glu Cys Gly Ala Cys Leu Arg										
210											
211	450 455 460										
212	Val Leu Glu Gly His Glu Glu Leu Val Arg Cys Ile Arg Phe Asp Asn										
213	465 470 475 480										
214	Lys Arg Ile Val Ser Gly Ala Tyr Asp Gly Lys Ile Lys Val Trp Asp										
215	485 490 495										
216	Leu Val Ala Ala Leu Asp Pro Arg Ala Pro Ala Gly Thr Leu Cys Leu										
217	500 505 510										
218	Arg Thr Leu Val Glu His Ser Gly Arg Val Phe Arg Leu Gln Phe Asp										
219	515 520 525										
220	Glu Phe Gln Ile Val Ser Ser His Asp Asp Thr Ile Leu Ile Trp										
221	530 535 540										
222	Asp Phe Leu Asn Asp Pro Ala Ala Gln Ala Glu Pro Pro Arg Ser Pro										
223	545 550 555 560										
224	Ser Arg Thr Tyr Thr Tyr Ile Ser Arg										
225	565										
227 <210>	SEQ ID NO: 3										
228 <211>	LENGTH: 19										
229 <212>	TYPE: DNA										
230 <213>	ORGANISM: Artificial sequence										
231 <220>											
232 <223>	OTHER INFORMATION: Description of the artificial sequence : sense primer										
233 <400>	SEQUENCE: 3										
234	ccaaactgcg tataacgcg 19										
236 <210>	SEQ ID NO: 4										
237 <211>	LENGTH: 20										
238 <212>	TYPE: DNA										
239 <213>	ORGANISM: Artificial sequence										
240 <220>											
241 <223>	OTHER INFORMATION: Description of the artificial sequence : antisense primer										
	SEQUENCE: 4										
243	ggtgaatcaa cgtgtttagc 20										

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/09/601,168A

DATE: 06/27/2002 TIME: 13:57:17

Input Set : N:\paola\US09601168A.RAW
Output Set: N:\CRF3\06272002\I601168A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:4; Line(s) 241
Seq#:6; Line(s) 259

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/601,168A

DATE: 06/27/2002 TIME: 13:57:17

Input Set : N:\paola\US09601168A.RAW
Output Set: N:\CRF3\06272002\I601168A.raw

L:9 M:270 C: Current Application Number differs, Wrong Format